

Scale: 1" = 60'

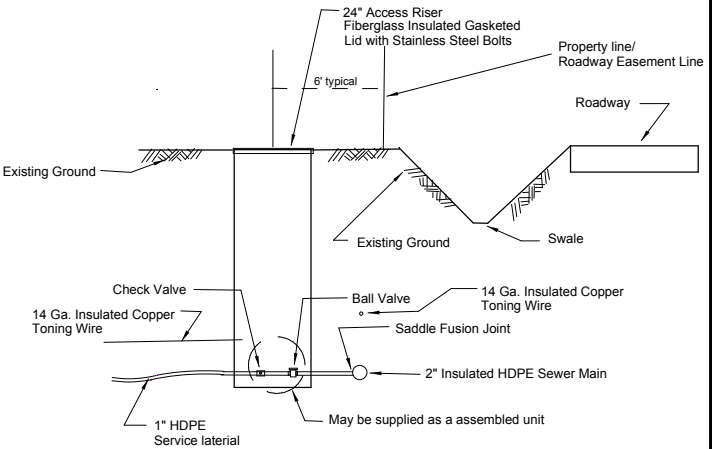
SEPTIC TANKS TO BE ORENCO 1500 GAL. FIBERGLASS TANKS CW STYLE WITH ORENCO SYSTEM MODEL PVU57-1819, UNIVERSAL BIOTUBE PUMP VAULT WITH HIGH HEAD EFFLUENT PUMP ORENCO SYSTEM MODEL P100511 WITH VERICOMM REMOTE TELEMETRY CONTROL SYSTEM MODEL VCOM S1RO WITH OPTIONAL COMPONENTS K, L, O AND P AS DESCRIBED IN SPECIFICATIONS ON PAGE 10 OF THESE PLANS
THE TANK LOCATION ON EACH LOT TO BE DETERMINED AFTER RECEIPT OF SITE PLAN FOR THAT LOT. IN NO CASE SHALL THE SEPTIC TANK BE LOCATED WITHIN 50 FEET OF ANY PROPOSED WELL

HDPE (High Density Polyethylene) Specifications

- 1) All mainline pipe shall be 2" HDPE
- 2) All pipe shall be pre-insulated (URECON or equiv.)
- 3) A tracing wire shall be run with all pipe
- 4) All pipe shall be buried 42"
- 5) All main line pipe joints shall be butt fusion welded
- 6) All pipe shall be pressure rated 160 psi - DR 11
- 7) Service laterals shall be 1" HDPE
- 8) All service laterals shall be fusion welded saddle joints connected to main line.
- 9) For proper joining techniques refer to PPI Handbook for polyethylene pipe, ASTM D 2657 and pipe manufacture
- 10) All bedding shall be class I and II ASTM D 2321 with max particle size of 1/2 "

LEGEND

- ⊠ AARV (Automatic Air Release Valve)
- Service line with ball and check valve
- ▷ Pigging Port
- 2" HDPE (buried below frostline)
- ⊗ PSD (pressure sustaining device - roll seal valve)



All service line connections shall be heat fusion welded saddle joints (refer to PPI handbook for polyethylene pipe, ASTM D 2657 and manufactures joining recommendations)
All service laterals from the effluent sewer to the property line shall be pressure tested prior to backfilling. All pipe bedding shall be 4" below the pipe to a point 2" above the pipe and shall be Class I or II per ASTM D 2321 with no particles larger than 1/2".



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EASTGATE ESTATES
LAKE COUNTY, ILLINOIS

OVERALL SYSTEM LAYOUT

				SHEET	
				3	
				OF 11	
DATE	BY	NO.	REVISION	DATE: 12/10/2005	
12/18			LCHD		
5/01			LCHD		
4/20			Land Plan Changes		

FOR DETAILED ENGINEERING PLANS FOR THIS SUBDIVISION SEE PLANS BY MANHARD & ASSOCIATES